

## Author Index for Volume 23

Akerstedt, Törbjörn, & Gillberg, Mats. A dose-response study of sleep loss and spontaneous sleep termination. .... 293

Albus, M. *See* Zahn, T.P.

Alho, K., Paavilainen, P., Reinikainen, K., Sams, M., & Näätänen, R. Separability of different negative components of the event-related potential associated with auditory stimulus processing. .... 613

Alho, Kimmo, Sams, Mikko, Paavilainen, Petri, & Näätänen, Risto. Small pitch separation and the selective-attention effect on the ERP. .... 189

Allen, M.T., Obrist, P.A., Sherwood, A., & Crowell, M.D. Two-year stability of cardiovascular responses to reaction time and cold pressor tasks [Abstract]. .... 423

Allen, Michael T., Sherwood, Andrew, & Obrist, Paul A. Interactions of respiratory and cardiovascular adjustments to behavioral stressors. .... 532

Allen, Michael T. *See also* Sherwood, A. (3)

Allen, R. *See* Schandler, S.L.

Allen, R.J. *See* Leischow, S.J.

Altenmüller, E. *See* Birbaumer, N.

Anderer, Peter. *See* Semlitsch, H.V.

Anderson, N.B., Lane, J.D., Muranaka, M., Houseworth, S.J., & Williams, R.B., Jr. Type A behavior, parental history of hypertension, and cardiovascular responses in young black women [Abstract]. .... 423

Angus, R.G. *See* Pigeau, R.A.

Asarnow, R.F. *See* Strandburg, R.J.

Aserinsky, Eugene. Proportional jerk: A new measure of motion as applied to eye movements in sleep and waking. .... 340

Avendaño, A. *See* Berg, W.K.

Backs, R.W., & Walrath, L.C. Evoked pupillary responses during visual search [Abstract]. .... 423

Backs, R.W. *See also* Walrath, L.C.

Badia, Pietro, Harsh, John, & Balkin, Thomas. Behavioral control over sleeping respiration in normals for ten consecutive nights. .... 409

Badia, P. *See also* Culpepper, J., and Lammers, W., and Revis, C.

Baird, J.C. *See* Harver, A.

Balaban, M.T. *See* Simons, R.F.

Balkin, Thomas. *See* Badia, P.

Baltissen, Ruediger, & Bouscain, Wolfram. Effects of a warning signal on reactions to aversive white noise stimulation: Does warning "short circuit" habituation? .... 224

Banis, Heather Tweddle. *See* Dawson, M.E.

Baribeau, J., Braun, C., Bartolini, G., Ethier, M., & Laurent, J.P. Gender, familial risk for alcoholism, and drinking pattern: A binaural event-related potential study [Abstract]. .... 424

Barland, G.H. The detection of deception: What are the empirically researchable psychophysiological issues? [Abstract]. .... 418

Barr, R. *See* Clark, W.R.

Barratt, Ernest S. *See* Pritchard, W.S., and Shappell, S.A.

Bartolini, G. *See* Baribeau, J.

Bättig, Karl. *See* Woodson, P.P.

Bauer, L.O. Probe evoked potentials and lateralized cognitive activity: Effects of expectancy, processing demands, and time [Abstract]. .... 424

Beatty, J. *See* Richer, F.

Beeler, M. *See* Kobus, D.A.

Bell, G. *See* Vaughan, J.

Benjamin, Ludy T., Jr. *See* Daiss, S.R.

Ben-Shahar, G., & Gati, I. Common and distinctive features of verbal and pictorial stimuli as determinants of psychophysiological differentiation [Abstract]. .... 424

Berg, Patrick. The residual after correcting event-related potentials for blink artifacts. .... 354

Berg, W.K., Avendaño, A., & Pugh, D. Growth in newborns' cardiac responses during quiet sleep [Abstract]. .... 425

Berg, W. Keith. *See also* Blumenthal, T.D.

Bernstein, A.S., & Riedel, J.A. High anhedonia in "normal" college students appears to reflect schizotypy rather than depression [Abstract]. .... 425

Bernstein, A.S., Riedel, J.A., Graae, F., Seidman, D., Steele, H., Connolly, J., & Lubowsky, J. Schizophrenia is associated with altered OR; depression with electrodermal (cholinergic?) deficit and normal OR [Abstract]. .... 425

Bertelson, Amy D. *See* Daiss, S.R.

Besson, M., Kutas, M., & Van Petten, C. Effect of semantic expectancy upon information retrieval [Abstract]. .... 425

Birbaumer, N., Elbert, T., Rockstroh, B., Lutzenberger, W., Altenmüller, E., Diener, H.-C., & Dichgans, J. Effects of the anticonvulsive agent carbamazepine on event-related brain potentials in humans [Abstract]. .... 426

Birbaumer, N. *See also* Cuthbert, B.

Blumenthal, T.D., & Gescheider, G.A. Modification of the acoustic startle reflex by a tactile prepulse [Abstract]. .... 426

Blumenthal, Terry D., & Berg, W. Keith. Stimulus rise time, intensity, and bandwidth effects on acoustic startle amplitude and probability. .... 635

Blumenthal, T.D. *See also* Manspeizer, H.E.

Boddy, John. Event-related potentials in chronometric analysis of primed word recognition with different stimulus onset asynchronies. .... 232

Boelhouwer, A.J.W. *See* Brunia, C.H.M.

Bond, N. *See* Siddle, D.

## Author Index for Volume 23

Akerstedt, Törbjörn, & Gillberg, Mats. A dose-response study of sleep loss and spontaneous sleep termination. .... 293

Albus, M. *See* Zahn, T.P.

Alho, K., Paavilainen, P., Reinikainen, K., Sams, M., & Näätänen, R. Separability of different negative components of the event-related potential associated with auditory stimulus processing. .... 613

Alho, Kimmo, Sams, Mikko, Paavilainen, Petri, & Näätänen, Risto. Small pitch separation and the selective-attention effect on the ERP. .... 189

Allen, M.T., Obrist, P.A., Sherwood, A., & Crowell, M.D. Two-year stability of cardiovascular responses to reaction time and cold pressor tasks [Abstract]. .... 423

Allen, Michael T., Sherwood, Andrew, & Obrist, Paul A. Interactions of respiratory and cardiovascular adjustments to behavioral stressors. .... 532

Allen, Michael T. *See also* Sherwood, A. (3)

Allen, R. *See* Schandler, S.L.

Allen, R.J. *See* Leischow, S.J.

Altenmüller, E. *See* Birbaumer, N.

Anderer, Peter. *See* Semlitsch, H.V.

Anderson, N.B., Lane, J.D., Muranaka, M., Houseworth, S.J., & Williams, R.B., Jr. Type A behavior, parental history of hypertension, and cardiovascular responses in young black women [Abstract]. .... 423

Angus, R.G. *See* Pigeau, R.A.

Asarnow, R.F. *See* Strandburg, R.J.

Aserinsky, Eugene. Proportional jerk: A new measure of motion as applied to eye movements in sleep and waking. .... 340

Avendaño, A. *See* Berg, W.K.

Backs, R.W., & Walrath, L.C. Evoked pupillary responses during visual search [Abstract]. .... 423

Backs, R.W. *See also* Walrath, L.C.

Badia, Pietro, Harsh, John, & Balkin, Thomas. Behavioral control over sleeping respiration in normals for ten consecutive nights. .... 409

Badia, P. *See also* Culpepper, J., and Lammers, W., and Revis, C.

Baird, J.C. *See* Harver, A.

Balaban, M.T. *See* Simons, R.F.

Balkin, Thomas. *See* Badia, P.

Baltissen, Ruediger, & Bouscain, Wolfram. Effects of a warning signal on reactions to aversive white noise stimulation: Does warning "short circuit" habituation? .... 224

Banis, Heather Tweddle. *See* Dawson, M.E.

Baribeau, J., Braun, C., Bartolini, G., Ethier, M., & Laurent, J.P. Gender, familial risk for alcoholism, and drinking pattern: A binaural event-related potential study [Abstract]. .... 424

Barland, G.H. The detection of deception: What are the empirically researchable psychophysiological issues? [Abstract]. .... 418

Barr, R. *See* Clark, W.R.

Barratt, Ernest S. *See* Pritchard, W.S., and Shappell, S.A.

Bartolini, G. *See* Baribeau, J.

Bättig, Karl. *See* Woodson, P.P.

Bauer, L.O. Probe evoked potentials and lateralized cognitive activity: Effects of expectancy, processing demands, and time [Abstract]. .... 424

Beatty, J. *See* Richer, F.

Beeler, M. *See* Kobus, D.A.

Bell, G. *See* Vaughan, J.

Benjamin, Ludy T., Jr. *See* Daiss, S.R.

Ben-Shahar, G., & Gati, I. Common and distinctive features of verbal and pictorial stimuli as determinants of psychophysiological differentiation [Abstract]. .... 424

Berg, Patrick. The residual after correcting event-related potentials for blink artifacts. .... 354

Berg, W.K., Avendaño, A., & Pugh, D. Growth in newborns' cardiac responses during quiet sleep [Abstract]. .... 425

Berg, W. Keith. *See also* Blumenthal, T.D.

Bernstein, A.S., & Riedel, J.A. High anhedonia in "normal" college students appears to reflect schizotypy rather than depression [Abstract]. .... 425

Bernstein, A.S., Riedel, J.A., Graae, F., Seidman, D., Steele, H., Connolly, J., & Lubowsky, J. Schizophrenia is associated with altered OR; depression with electrodermal (cholinergic?) deficit and normal OR [Abstract]. .... 425

Bertelson, Amy D. *See* Daiss, S.R.

Besson, M., Kutas, M., & Van Petten, C. Effect of semantic expectancy upon information retrieval [Abstract]. .... 425

Birbaumer, N., Elbert, T., Rockstroh, B., Lutzenberger, W., Altenmüller, E., Diener, H.-C., & Dichgans, J. Effects of the anticonvulsive agent carbamazepine on event-related brain potentials in humans [Abstract]. .... 426

Birbaumer, N. *See also* Cuthbert, B.

Blumenthal, T.D., & Gescheider, G.A. Modification of the acoustic startle reflex by a tactile prepulse [Abstract]. .... 426

Blumenthal, Terry D., & Berg, W. Keith. Stimulus rise time, intensity, and bandwidth effects on acoustic startle amplitude and probability. .... 635

Blumenthal, T.D. *See also* Manspeizer, H.E.

Boddy, John. Event-related potentials in chronometric analysis of primed word recognition with different stimulus onset asynchronies. .... 232

Boelhouwer, A.J.W. *See* Brunia, C.H.M.

Bond, N. *See* Siddle, D.

Bonnet, Michael H. Performance and sleepiness as a function of frequency and placement of sleep disruption..... 263

Bosco, C.M., Gratton, G., Kramer, A.F., Wickens, C.D., Coles, M.G.H., & Donchin, E. Information extraction and components of the event-related brain potential [Abstract]..... 426

Boucsein, Wolfram. *See* Baitissen, R.

Boukadoum, A.M., & Ktonas, P.Y. EOG-based recording and automatic detection of sleep rapid eye movements: A critical review, and some recommendations..... 598

Boutcher, S.H., & Landers, D.M. Mood states of nonrunners and runners after vigorous exercise [Abstract]..... 426

Brandt, Michael E. *See* Pritchard, W.S., and Shapell, S.A.

Braun, C. *See* Baribeau, J.

Braune, R. *See* Sirevaag, E.J.

Breier, A. *See* Zahn, T.P.

Brender, William. *See* Sullivan, M.J.L.

Brener, Jasper. For distinguished contributions to psychophysiology: Paul A. Obrist..... 489

Brener, Jasper. *See also* Moses, J.

Brobeck, Claes-Goran. *See* Hugdahl, K.

Brody, E.B. *See* Hatfield, B.D.

Brown, E.L. *See* Polonsky, W.H.

Brown, W.S. *See* Strandburg, R.J.

Brumaghim, J., Klorman, R., Strauss, J., Lewine, J.D., & Goldstein, M.G. What aspects of information processing are affected by methylphenidate? Findings on performance and P3b latency from two studies [Abstract]..... 427

Brunia, C.H.M. Neurophysiological mechanisms and preparation [Abstract]..... 417

Brunia, C.H.M., & Boelhouwer, A.J.W. Motor preparation measured with reflexes [Abstract]..... 417

Brunia, C.H.M. *See also* van den Boogaart, B.

Buckley, J. *See* Strayer, D.L.

Bülow, I.V., Elbert, Th., Rockstroh, B., & Lutzenberger, W. Effects of hyperventilation on EEG frequency and potentials in epilepsy [Abstract]..... 427

Burleson, Mary H. *See* Johnston, V.S.

Bush, L., McHugo, G., & Lanzetta, J. The effects of sex and prior attitude on emotional reactions to expressive displays of political leaders [Abstract]..... 427

Bush, T.L. The epidemiology and consequences of exogenous estrogen use [Abstract]..... 413

Buzzi, Roberto. *See* Woodson, P.P.

Bylsma, F.W. *See* Pivik, R.T. (2)

Cacioppo, John T. *See* Fridlund, A.J., and Martzke, J.S., and Stonebraker, T.B., and Tassinary, L.G., and Vanman, E.J.

Caldwell, J.A. *See* Jones, G.E.

Calhoun, R.F., Schwartz, G.P., Harris, M.I., & Greene, W.A. The influence of competitive exercise on heart rate and blood pressure in Type A and Type B subjects [Abstract]..... 427

Callaway, E. *See* Halliday, R.

Cameron, D. *See* Richards, J.E.

Carroll, D., Turner, J.R., & Rogers, S. Heart rate and oxygen consumption during mental challenge and graded isometric exercise [Abstract]..... 428

Carroll, Douglas, Turner, J. Rick, & Hellawell, Jonathan C. Heart rate and oxygen consumption during active psychological challenge: The effects of level of difficulty..... 174

Carroll, D. *See also* Dean, S.

Cerri, A.M. *See* Stuss, D.T.

Chen, A.C.N., Dworkin, S.F., & Gehrig, J. Cortical power spectrum analyses of individual characteristics and pharmacologic actions in man [Abstract]..... 428

Clark, V.R., & Harrell, J.P. Predicting cardiac reactivity to physical and psychological challenges [Abstract]..... 428

Clark, V.R., Neita, D.M., & Harrell, J.P. Factor analysis of cardiac measures obtained during physical and psychological challenges [Abstract]..... 429

Clark, W.R., Hutchinson, E., Dunham, D., & Barr, R. Task-evoked pupillary response and selective attention during dichotic shadowing [Abstract]..... 429

Clemens, William J. *See* Moses, J.

Cochrane, D.D. *See* Coupland, S.G.

Cohen, B., Izard, C.E., & Simons, R.F. Facial and physiological indices of emotions in mother-infant interactions [Abstract]..... 429

Cohen, B.H., Saron, C., Senulis, J., & Davidson, R.J. Muscle tension patterns associated with auditory attention as compared with short-term digit retention [Abstract]..... 429

Cohen, M.J., Schandler, S.L., Doughty, C., Schoebelen, M., & Dana, E.R., Jr. Learning performance and physiological patterning relative to hemispheric processing [Abstract]..... 430

Cohen, M.J. *See also* Schandler, S.L. (2)

Coles, M.G.H. *See* Bosco, C.M., and Gehring, W., and Gratton, G., and Strayer, D.L.

Collins, S.W. *See* Dabkowski, E.A.

Connolly, J. *See* Bernstein, A.S.

Cook, E.W. III, Melamed, B.G., McNeil, D.W., Cuthbert, B.N., & Lang, P.J. Affective imagery and fear: Verbal-physiological concordance in anxiety disorder patients [Abstract]..... 430

Cook, E.W. III. *See also* Melamed, B.G., and Greenwald, M.

Coupland, S.G., & Cochrane, D.D. Chronic *in vivo* monitoring of multimodal evoked potentials in fetal lambs [Abstract]..... 430

Cowings, Patricia S., Suter, Steve, Toscano, William B., Kamiya, Joe, & Naifeh, Karen. General autonomic components of motion sickness..... 542

Creer, T.L. *See* Rawson, J.C.

Crowell, M.D. *See* Allen, M.T.

Culpepper, J., Badia, P., & Harsh, J. Heart rate habituation in sleep [Abstract]..... 431

Cuthbert, B., Birbaumer, N., Elbert, T., & Lang, P. Emotional imagery: Cortical and autonomic responding [Abstract]..... 431

Cuthbert, Bruce N. *See also* Cook, E.W., and Melamed, B.G., and Vrana, S.R. (2).

Dabkowski, E.A., Collins, S.W., Jones, G.E., & Jones, K.R. The discriminability of temporal patterns used in the Whitehead discrimination procedure: An evaluation of modes of stimulus presentation [Abstract] ..... 431

Daiss, Suzanne R., Bertelson, Amy D., & Benjamin, Ludy T., Jr. Napping versus resting: Effects on performance and mood. ..... 82

Dale, A. *See* Klions, D.

Dana, E.R., Jr. *See* Cohen, M.J., and Schandler, S.L.

Daubenspeck, J.A. *See* Harver, A. (2)

Davidson, R.J. EEG measures of cerebral asymmetry: Conceptual and methodological issues [Abstract] ..... 421

Davidson, R.J. *See also* Cohen, B.H., and Fox, N.A., and Saron, C.D.

Davies, J. *See* Fedora, O.

Davis, M. *See* Stoney, C.M.

Davis, M.R., & Langer, A.V. Heart rate variability is associated with greater sensitivity to heartbeats [Abstract] ..... 432

Davis, Mark R., Langer, Alan W., Sutterer, James R., Gelling, Paul D., & Marlin, Michelle. Relative discriminability of heartbeat-contingent stimuli under three procedures for assessing cardiac perception. ..... 76

Dawson, Michael E., Schell, Anne M., & Banis, Heather Tweddle. Greater resistance to extinction of electrodermal responses conditioned to potentially phobic CSs: A noncognitive process? ..... 552

Dawson, M.E. *See also* Filion, D.L., and Majoros, A.E., and Schell, A.M.

Dean, S., Turner, J.R., Carroll, D., & Harris, M.G. The relationship between heart rate reactivity during laboratory and 'real world' behavioural challenge [Abstract] ..... 432

Desai, N. *See* Freedman, R.R.

Dichgans, J. *See* Birbaumer, N.

Dickel, M.J. *See* Kribbs, N.B.

Diener, H.-C. *See* Birbaumer, N.

Dirks, B., Young, M., & Yolton, R.L. The effects of prism-induced binocular stress on P300 event-related potentials [Abstract] ..... 432

Ditto, B., & Ray, M. Sibling and spouse similarities in cardiovascular response to stress [Abstract] ..... 432

Ditto, Blaine. Parental history of essential hypertension, active coping, and cardiovascular reactivity. ..... 62

Ditto, B. *See also* Miller, S.B.

Donchin, E. *See* Bosco, C.M., and Fabiani, M. (2), and Farwell, L.A. (2), and Gehring W., and Kramer, A., and Strayer, D.L.

Donovan, W.L., & Leavitt, L.A. Physiologic correlates of maternal illusion of control over infant crying [Abstract] ..... 432

Doughty, C. *See* Cohen, M.J.

Duncan, C.C., & Rosenthal, N.E. Effects of phototherapy on brain potentials in patients with seasonal affective disorder: A pilot study [Abstract] ..... 433

Dunham, D. *See* Clark, W.R.

Dworkin, S.F. *See* Chen, A.C.N.

Dyck, D.G. *See* Edguer, N., and Janisse, M.P.

Eckardt, M.J. *See* Rohrbaugh, J.W.

Edguer, N., Janisse, M.P., & Dyck, D.G. Type A behaviour pattern and hostility: The effects of provocation and conflict on aggression, cardiovascular activity, and affect [Abstract] ..... 433

Edguer, N. *See also* Janisse, M.P.

Elbert, T. *See* Birbaumer, N., and Bülow, I.v., and Cuthbert, B.

Empson, J.A.C. Response force, motivation, and the EEG readiness potential [Abstract] ..... 433

Erasmus, L.-P. *See* Hartl, L.

Ethier, M. *See* Baribeau, J.

Fabiani, M., Gratton, G., Karis, D., & Donchin, E. The reliability of measurement of the P300 component of the event-related brain potential [Abstract] ..... 434

Fabiani, Monica, Karis, Demetrios, & Donchin, Emanuel. P300 and recall in an incidental memory paradigm ..... 293

Fahrenberg, Jochen, Foerster, Fritz, Schneider, Hermann-Josef, Müller, Wolfgang, & Myrtek, Michael. Predictability of individual differences in activation processes in a field setting based on laboratory measures ..... 323

Farwell, L.A., & Donchin, E. The "Brain Detector": P300 in the detection of deception [Abstract] ..... 434

Farwell, L.A., Donchin, E., & Kramer, A.F. Talking heads: A mental prosthesis for communicating with event-related potentials of the EEG [Abstract] ..... 434

Fedio, P. *See* Johnson, R., Jr.

Fedora, O., Morrison, J.W., Reddon, J.R., Thauberger, P.C., & Davies, J. Electrodermal and heart rate responses to anticipatory and nonanticipatory stress in psychopaths [Abstract] ..... 434

Fein, D. *See* Skoff, B.F.

Fein, G. *See* Merrin, E.L., and Turetsky, B.

Feinglos, M.N. *See* Stabler, B.

Feld, J.L. Reactivity to stressors as a function of cardiovascular fitness and exercise [Abstract] ..... 435

Fenster, G.A. The effects of monetary incentive on the time course of cardiovascular reactivity in Type A and Type B males [Abstract] ..... 435

Filion, D.L., Dawson, M.E., & Schell, A.M. Autonomic orienting and the allocation of processing resources [Abstract] ..... 435

Filion, D.L. *See also* Schell, A.M.

Fisk, Arthur. *See* Kramer, A.

Floyd, T.C. *See* Merrin, E.L.

Foerster, Fritz. *See* Fahrenberg, J.

Fookson, Jeffrey E. *See* Monk, T.H.

Forth, A.E., & Hare, R.D. Slow cortical potentials and autonomic conditioning to monetary reinforcement in psychopaths [Abstract] ..... 436

Forth, A.E. *See also* Harpur, T.J.

Fox, N.A., & Davidson, R.J. Smiles to the stranger, joy to the mother: EEG asymmetry discriminates between felt and unfelt smiles in human infants [Abstract] ..... 436

Fox, N.A. *See also* Stifter, C.A.

Francis, Mildred E. *See* Tahmoush, A.J.

Frankish, J., & Linden, W. Acute cardiovascular reactivity, response style, and self-reported arousal [Abstract]. 436

Freedman, R.R., Germaine, L.M., & McCamman, L.J. Laboratory and ambulatory monitoring of menopausal hot flashes [Abstract]. 437

Freedman, R.R., Sabharwal, S.C., & Desai, N. Sex differences in peripheral vascular adrenergic receptors [Abstract]. 437

Freedman, R.R. *See also* Ianni, P.

Fridlund, A.J. Emotion: How we have strayed from Darwin and lost our way [Abstract]. 415

Fridlund, A.J. What can asymmetry and laterality in EMG tell us about the face and brain? [Abstract]. 420

Fridlund, Alan J., & Cacioppo, John T. Guidelines for human electromyographic research. 437

Friedman, B.H. *See* Thayer, J.F.

Friedman, D., Putnam, L., & Sutton, S. Mini-longitudinal study of the endogenous brain potentials [Abstract]. 437

Frowein, H.W. *See* Rohrbaugh, J.W.

Furedy, J.J. Detection of deception vs. CQT polygraphy: A narrow, psychophysiological perspective [Abstract]. 418

Furedy, John J. *See also* Shulhan, D.

Gabrielli, W.F. *See* Pollock, V.E.

Garcia-Sanchez, F.A. *See* Roman, F.

Gasser, Theo. Sroka, Lothar, & Möcks, Joachim. The correction of EOG artifacts by frequency dependent and frequency independent methods. 704

Gati, I. *See* Ben-Shakhar, G.

Geen, T.R. *See* Tassinary, L.G.

Gehrig, J. *See* Chen, A.C.N.

Gehring, W., Gratton, G., Coles, M.G.H., & Donchin, E. Response priming and components of the event-related brain potential [Abstract]. 437

Gelling, Paul D. *See* Davis, M.R., and Stoney, C.M.

Germaine, L.M. *See* Freedman, R.R.

Gescheider, G.A. *See* Blumenthal, T.D.

Gibbons, J. *See* Snidman, N.

Gillberg, Mats. *See* Akerstedt, T.

Gintner, Gary G., Hollingsworth, James G., & Intieri, Robert C. Age differences in cardiovascular reactivity under active coping conditions. 113

Goetz, R.R., & Puig-Antich, J. The sleep of young depressives aged 16-25 years [Abstract]. 438

Goldstein, I.B., & Shapiro, D. Cardiovascular responses to mental arithmetic and handgrip during different conditions of postural change [Abstract]. 438

Goldstein, M.G. *See* Brumaghim, J.

Gomez-Amor, J. *See* Roman, F.

Goodwin, D.W. *See* Pollock, V.E.

Graae, F. *See* Bernstein, A.S.

Graham, F.K. *See* Simons, R.F.

Gratton, G., & Coles, M.G.H. Lateralized brain potentials and response priming [Abstract]. 416

Gratton, G. *See also* Bosco, C.M., and Fabiani, M., and Gehring, W.

Greene, W.A. *See* Calhoun, R.F.

Greenstadt, Lisa, Shapiro, David, & Whitehead, Roger. Blood pressure discrimination. 500

Greenwald, M., Lang, P.J., & Cook, E.W. III. Stimulus significance: Cognitive and physiological responses to visual stimuli [Abstract]. 438

Grings, W.W. *See* Majoros, A.E.

Grossman, P. A simple time-domain quantification of respiratory sinus arrhythmia: Its validity as a cardiac parasympathetic index and its usefulness in psychophysiology [Abstract]. 414

Gruzelier, J. *See* Jutai, J.

Guethlein, W. *See* Kelsey, R.M.

Gur, R. *See* Skolnick, B.E.

Gur, R.C. *See* Skolnick, B.E.

Gur, R.E. *See* Skolnick, B.E.

Guthrie, Donald. *See* Ornitz, E.M., and Strandburg, R.J.

Haagh, S.A.V.M. *See* van den Boogaart, B.

Halliday, R., Naylor, H., & Callaway, E. Separation of processing stages with stimulant probes [Abstract]. 438

Hancock, G.A. *See* Walrath, L.C.

Hansen, J.C. *See* Mangun, G.R.

Hare, R.D. *See* Forth, A.E., and Harpur, T.J., and Williamson, S.

Harm, D.L., & Kotses, H. Cardio-respiratory responses to time pressure [Abstract]. 439

Harpur, T.J., Williamson, S.E., Forth, A.E., & Hare, R.D. A quantitative assessment of resting EEG in psychopathic and non-psychopathic criminals [Abstract]. 439

Harpur, T.J. *See also* Williamson, S.

Harrell, J.P. *See* Clark, V.R. (2).

Harris, M.G. *See* Dean, S.

Harris, M.I. *See* Calhoun, R.F., and Dean, S.

Harsh, John. *See* Badia, P., and Culpepper, J., and Revis, C.

Harshfield, G.A., & Pickering, T.G. Ambulatory blood pressure monitoring and blood pressure reactivity [Abstract]. 422

Hartl, L., Kratzmeier, M., Erasmus, L.-P., Hermsdörfer, A., & Hözl, R. Psychophysical characteristics of gastrointestinal perception [Abstract]. 439

Harver, A., Baird, J.C., McGovern, J.F., & Daubenspeck, J.A. Multidimensional scaling of respiratory sensations [Abstract]. 440

Harver, A., & Daubenspeck, J.A. Application of Weber's law to immediate respiratory responses to added resistive loads [Abstract]. 440

Hastings, P. *See* Pivik, R.T.

Hastrup, J.L., Kraemer, D.L., & Phillips, S.M. Blood pressure and heart rate of women under 45 with total hysterectomy: Effects of stress and family history of hypertension [Abstract]. 413

Hastrup, J.L., Trezza, G.R., Peralta, A., & Lipps, S. Age of onset of parental hypertension: Rest and stress measurements of cardiovascular activity [Abstract]. 440

Hastrup, Janice L. Duration of initial heart rate assessment in *Psychophysiology*: Current practices and implications. 15

Hatch, John P., Klatt, Keith, Porges, Stephen W., Schroeder-Jascheway, Lori, & Supik, Josie D. The relation between rhythmic cardiovascular variability and reactivity to orthostatic, cognitive, and cold pressor stress. 48

Hatfield, B.D., Spalding, T., Mahon, T., Brody, E.B., & Vaccaro, P. Ventilatory economy as a function of attentional self-focus during treadmill running [Abstract].

Heide, Frederick J. Psychophysiological responsiveness to auditory stimulation during transcendental meditation.

Helfand, Rita, Lavie, Peretz, & Hobson, J. Allan. REM/NREM discrimination via ocular and limb movement monitoring: Correlation with polygraphic data and development of a REM state algorithm. 334

Hellawell, Jonathan C. See Carroll, D.

Hermsdörfer, A. See Hartl, L.

Herning, R.I. See Pickworth, W.B.

Hernon, J.C. See Schwartz, G.E. (2)

Heslegrave, R.J. The effects of vocalization and task difficulty in eyeblink behaviour [Abstract]. 441

Heslegrave, R.J. See also Pigeau, R.A.

Hickey, J.E. See Pickworth, W.B.

Hill, S.Y. See Steinhauer, S.R.

Hillyard, S.A. See Mangun, G.R.

Hirschhorn, Tania. See Siddle, D.A.T.

Hobson, J. Allan. See Helfand, R.

Hoffman, James E. Book Review: *Varieties of attention*. 365

Holcomb, P.J. ERP evidence of cross modality priming in lexical decision [Abstract].

Holifield, R.D., Jones, G.E., & Jones, K.R. Temporal constancy of the interdigestive myoelectric complex [Abstract]. 441

Hollingsworth, James G. See Gintner, G.G.

Hölzl, R. See Hartl, L., and Löffler, K.

Honts, C.R., Raskin, D.C., & Kircher, J.C. Individual differences and the physiological detection of deception [Abstract].

Hord, D. Endogenous ERP components in sonar operators: Reliability, effect of experience, and relation to performance [Abstract].

Horowitz, S.W., Kircher, J.C., & Raskin, D.C. Does stimulation test accuracy predict accuracy of polygraph tests? [Abstract].

Houseworth, S.J. See Anderson, N.B.

Hudak, M. See Klions, D.

Hudzinski, L.G., & Walters, P.J. Use of portable electromyograms in determining and treating chronic nocturnal bruxism [Abstract].

Hugdahl, K. EDA asymmetries: Implications for orienting and classical conditioning [Abstract].

Hugdahl, K., Kvale, G., Nordby, H., & Overmier, J.B. Hemispheric asymmetry and human classical conditioning: Effects of lateralized CS presentations [Abstract].

Hugdahl, Kenneth, & Brobeck, Claes-Goran. Hemispheric asymmetry and human electrodermal conditioning: The dichotic extinction paradigm. 443

Hull, J.G. See Van Treuren, R.R.

Humes-Bartlo, M. See Skoff, B.F.

Hutcheson, J.S. See Sherwood, A.

Hutchinson, E. See Clark, W.R.

Iacono, W.G. Issues in the evaluation of the control question polygraph test [Abstract]. 417

Iacono, W.G. See also Mahon, M.L., and Patrick, C.J.

Ianni, P., Stettner, L., & Freedman, R.R. Voluntary facial actions modulate cardiovascular responses during angry emotion [Abstract]. 443

Inoue, Tsuyoshi. See Shimizu, A.

Intrieri, Robert C. See Gintner, G.G.

Inz, J.M., & Ray, W.J. Anxiety: EEG and behavioral indices [Abstract]. 443

Izard, C.E. See Cohen, B.

Jaffe, J. See Pickworth, W.B.

Jamieson, J.L., & Roger, D. Personality correlates of delayed heart rate recovery following stress [Abstract]. 443

Jammer, L.D., & Schwartz, G.E. Integration of self-report and physiological indices of affect: Interactions with repressive coping strategies [Abstract]. 444

Jammer, L.D., Tursky, B., & Leigh, H. Discordance between verbal and nonverbal pain indices: The influence of repressive coping strategies [Abstract]. 419

Jammer, L.D. See also Schwartz, G.E.

Janisse, M.P., Edguer, N., & Dyck, D.G. Anger expression, anger imaging, and the Type A behavior pattern [Abstract]. 444

Janisse, M.P. See also Edguer, N., and Small, F.M.

Jennings, J.R., van der Molen, M., & Somsen, R. Primary bradycardia and vagal inhibition: An old phase-new phase analysis [Abstract]. 444

Jennings, J.R. See also van der Molen, M.W.

Johnson, M. See Snidman, N.

Johnson, R., Jr., & Fedio, P. Pre- and post-surgical event-related potentials in epilepsy patients [Abstract]. 444

Johnson, Ray, Jr. A triarchic model of P300 amplitude. 367

Johnston, Victor S., Miller, David R., & Burleson, Mary H. Multiple P3s to emotional stimuli and their theoretical significance. 684

Jones, G.E., Leonberger, F.T., Rouse, C.H., Caldwell, J.A., & Jones, K.R. Preliminary data exploring the presence of an evoked potential associated with cardiac visceral activity [Abstract].

Jones, G.E. See also Dabkowski, E.A., and Holifield, R.D., and Jones, K.R., and Leonberger, F.T., and Rouse, C.H.

Jones, K.R., & Jones, G.E. The duration of cold pressor effects on the power spectra of the electrogastogram [Abstract]. 445

Jones, K.R. See also Dabkowski, E.A., and Holifield, R.D., and Jones, G.E., and Rouse, C.H.

Jones, M. See Schwartz, G.E. (2)

Jutai, J., Gruzelier, J., & Sharp, C. Ear and hemisphere interaction during monaural stimulation: Auditory evoked potential (AEP) analysis in the time and frequency domains [Abstract]. 445

Jutai, J.W. See also Waked, E.G.

Kagan, J. *See Snidman, N.*  
 Kamiya, Joe. *See Cowings, P.S.*  
 Kaplan, Andrea R. *See Ornitz, E.M.*  
 Karis, Demetrios. *See Fabiani, M. (2)*  
 Kastner, J. *See Revis, C.*  
 Katkin, E.S., & Reed, S.D. Cardiovascular asymmetries (with special reference to cardiac perception) [Abstract]..... 420  
 Katkin, E.S. *See also Kelsey, R.M., and Reed, S.D.*  
 Kelsey, R.M., Katkin, E.S., Lozina, C.M., & Guehlein, W. Cardiodynamic factors in primary Raynaud's phenomenon [Abstract]..... 446  
 Kennison, R. *See McFarland, R.A.*  
 Kircher, J.C., & Raskin, D.C. Visceral perception in the detection of deception [Abstract]..... 446  
 Kircher, J.C. *See also Honts, C.R., and Horowitz, S.W.*  
 Klatt, Keith *See Hatch, J.P.*  
 Klions, D., Saunders, K., Hudak, M., Dale, A., & Klions, H. The face and electromyography of helplessness: 1) Females as a function of androgyny and femininity; 2) Males as a function of androgyny and masculinity [Abstract]..... 446  
 Klions, H. *See Klions, D.*  
 Klorman, R. *See Brumaghim, J.*  
 Knapp, P.H. *See Polonsky, W.H.*  
 Kubos, D.A., Beeler, M., & Stashower, K. Electrophysiological effects of experience during an auditory task [Abstract]..... 446  
 Koch, K.L. *See Stern, R.M.*  
 Kok, A., & Rooyakkers, J.A.J. ERPs to laterally presented pictures and words in a semantic categorization task..... 672  
 Koriath, J.J. Cardiac related cortical inhibition during variations in mean heart rate [Abstract]..... 447  
 Kotses, H. *See Harm, D.L., and Rawson, J.C.*  
 Kraemer, D.L. *See Hastrup, J.L.*  
 Kramer, Arthur, Schneider, Walter, Fisk, Arthur, & Donchin, Emanuel. The effects of practice and task structure on components of the event-related brain potential..... 33  
 Kramer, A.F. *See also Bosco, C.M., and Farwell, L.A., and Sirevaag, E.J., and Strayer, D.L.*  
 Kratzmeier, M. *See Hartl, L.*  
 Kribbs, N.B. Automated measurement of heart rate with the Cyborg ISAAC system and Apple II microcomputer [Abstract]..... 447  
 Kribbs, N.B., McCutcheon, J.R., & Dickel, M.J. The effect of picture plausibility on heart rate and paired-associate learning [Abstract]..... 447  
 Ktonas, P.Y. *See Boukadoum, A.M.*  
 Kutas, M., & Neville, H.J. Brain asymmetries indexed by event-related brain potentials (ERPs) [Abstract]..... 421  
 Kutas, M. *See also Besson, M.*  
 Kvale, G. *See Hugdahl, K.*  
 Lacroix, J.M. *See Russon, A.E.*  
 Lambert, P. *See Pigeau, R.A.*  
 Lammers, W., & Badia, P. Habituation of the P300 to target stimuli [Abstract]..... 447  
 Lamphere, James. *See Lumley, M.*  
 Landers, D.M. *See Boucher, S.H., and Wang, M.Q. (2)*  
 Lane, J.D. *See Anderson, N.B., and Stabler, B.*  
 Lane, Shelly J. *See Ornitz, E.M.*  
 Lang, P.J. Imagery: Fata morgana or acta mnemosyna? [Abstract]..... 415  
 Lang, Peter J. *See also Cook, E.W., and Cuthbert, B., and Greenwald, M., and Melamed, B.G., and Vrana, S.R. (2)*  
 Langer, Alan W. *See Davis, M.R. (2), and Sherwood, A., and Stoney, C.M.*  
 Lanzetta, J.T., & McHugo, G.J. The history and current status of the facial feedback hypothesis [Abstract]..... 415  
 Lanzetta, J. *See also Bush, L.*  
 Laurent, J.P. *See Baribeau, J.*  
 Lavie, Peretz. *See Helfand, R.*  
 Lawler, Kathleen A., & Schmid, Lori A. Cardiovascular responsivity, Type A behavior, and parental history of heart disease in young women. 28  
 Leavitt, L.A. *See Donovan, W.L.*  
 Leibowitz, H.W. *See Stern, R.M.*  
 Leigh, H. *See Jamner, L.D.*  
 Leischow, S.J., & Allen, R.J. Breathing style and cardiovascular arousal [Abstract]..... 448  
 Leonberger, F.T., & Jones, G.E. Sensation seeking, heartbeat awareness, and the orienting response [Abstract]..... 448  
 Leonberger, F.T. *See also Jones, G.E.*  
 Lesevre, Nicole *See Ragot, R.*  
 Levenson, R.W. Emotion and autonomic specificity: Something borrowed—something new [Abstract]..... 415  
 Lewine, J.D. *See Brumaghim, J.*  
 Light, K.C., Wagner, P.G., & Willis, P.W. IV. Renal and cardiovascular responses to stress after volume expansion in black and white men [Abstract]..... 448  
 Lindblad, I.M. *See Stern, R.M.*  
 Linden, W. Mental stress versus somatic effort: A microanalysis of cardiovascular responsivity [Abstract]..... 448  
 Linden, W. *See also Frankish, J.*  
 Linnola, M. *See Rohrbaugh, J.W.*  
 Lippes, S. *See Hastrup, J.L.*  
 Löffler, K., Püll, O., & Högl, R. Toposcopic analysis of electrogastrograms [Abstract]..... 449  
 Lovallo, William, R., Pincomb, Gwendolyn, A., & Wilson, Michael F. Heart rate reactivity and Type A behavior as modifiers of physiological response to active and passive coping..... 105  
 Lovallo, William R., Pincomb, Gwendolyn, A., & Wilson, Michael F. Predicting response to a reaction time task: Heart rate reactivity compared with Type A behavior..... 648  
 Lovallo, W.R. *See also Pincomb, G.A., and Sausen, K.P.*  
 Lozina, C.M. *See Kelsey, R.M.*  
 Lubowsky, J. *See Bernstein, A.S.*  
 Lucci, D. *See Skoff, B.F.*  
 Luck, S.J., & Rhodes, D.L. The effects of sequence variability on the P300 component of the event-related potential [Abstract]..... 449

Lukas, J.H., & Mullins, L.F. Visual evoked potential augmenting-reducing comparing flash and pattern reversals [Abstract]..... 449

Lumley, Mark, Roehrs, Timothy, Zorick, Frank, Lamphere, James, & Roth, Thomas. The alerting effects of naps in sleep-deprived subjects..... 403

Lutzenberger, W. *See* Birbaumer, N., and Bülow, I.v.

Macy, M.H. *See* Simons, R.F.

Mahon, M.L., & Iacono, W.G. Another look at the relationship of electrodermal activity to electrode contact area [Abstract]..... 449

Mahon, T. *See* Hatfield, B.D.

Majoros, A.E., Grings, W.W., & Dawson, M.E. The effect of reduced information processing capacity on habituation [Abstract]..... 450

Mangun, G.R., Hansen, J.C., & Hillyard, S.A. Electrotretinograms reveal no evidence for centrifugal modulation of retinal inputs during selective attention in man..... 156

Manspeizer, H.E., & Blumenthal, T.D. The effects of small doses of caffeine on the auditory startle response in humans [Abstract]..... 450

Manuck, Stephen B. *See* McCann, B.S., and Matthews, K.A., and Stoney, C.M.

Margittai, K. *See* Pivik, R.T.

Marlin, Michelle. *See* Davis, M.R.

Marsh, J.T. *See* Strandburg, R.J.

Martin, P.E. *See* Wang, M.Q.

Martinez-Selva, J.M. *See* Roman, F.

Martzke, J.S., Putz, C.L., & Cacioppo, J.T. EMG activity over the *corrugator supercilii* region during a clinical interview: Form of EMG bursts and the nature of emotional thought [Abstract]..... 450

Matson, D.L. Evoked potential indices for predicting motion sickness susceptibility [Abstract]..... 450

Matthews, Karen A., Manuck, Stephen B., & Saab, Patrice G. Cardiovascular responses of adolescents during a naturally occurring stressor and their behavioral and psychophysiological predictors..... 198

Matthews, K.A. *See also* McCann, B.S., and Stoney, C.M.(2)

McCamman, L.J. *See* Freedman, R.R.

McCann, B.S., Matthews, K.A., Stoney, C.M., & Manuck, S.B. Sex differences in cardiovascular responses to stress in children [Abstract]..... 413

McCann, B.S. *See also* Stoney, C.M.

McCloskey, K. *See* Wilson, G.F.

McCubbin, J.A., Surwit, R.S., Williams, R.B., & Nemeroff, C.B. Naloxone and blood pressure responses to different types of stress [Abstract]..... 451

McCutcheon, J.R. *See* Kribbs, N.B.

McFarland, R.A., & Kennison, R. Sex, handedness, and hemispheric asymmetry in the emotional and skin temperature responses to music [Abstract]..... 451

McGovern, J.F. *See* Harver, A.

McHugo, G.J. *See* Bush, L., and Lanzetta, J.T.

McNally, B. *See* Skoff, B.F.

jMcNeil, D.W. *See* Cook, E.W.

Mednick, S.A. *See* Pollock, V.E.

Melamed, B.G., Cook, E.W. III, Semaya, E., Cuthbert, B.N., & Lang, P.J. Relationships between subjective fear and physiological reactivity during imaginal and *in vivo* public speaking situations in socially anxious patients [Abstract]..... 421

Melamed, B.G. *See also* Cook, E.W.

Merrin, E.L., Floyd, T.C., & Fein, G. EEG alpha asymmetry is reliable in schizophrenics [Abstract]..... 451

Michihiro, Kazumi, Muranaka, Tetsuo, & Miyata, Yo. Effects of cognitive set on the electrodermal orienting response..... 642

Miller, David R. *See* Johnston, V.S.

Miller, S.B., & Ditto, B. Cardiovascular responses to a long-term active stressor [Abstract]..... 451

Miyata, Yo. *See* Michihiro, K.

Möcks, Joachim. The influence of latency jitter in principal component analysis of event-related potentials..... 480

Möcks, Joachim. *See also* Gasser, T.

Monk, Timothy H., & Fookson, Jeffrey E. Circadian temperature rhythm power spectra: Is equal sampling necessary?..... 472

Morokoff, Patricia J. *See* Myers, L.S.

Morris, M.A. *See* Stabler, B.

Morrison, J.W. *See* Fedora, O.

Moses, Jennifer, Clemens, William J., & Brener, Jasper. Bidirectional voluntary heart rate control during static muscular exercise: Metabolic and respiratory correlates..... 510

Müller, Wolfgang. *See* Fahrenberg, J.

Mullins, L.F. *See* Lukas, J.H.

Muranaka, M. *See* Anderson, N.B.

Muranaka, Tetsuo. *See* Michihiro, K.

Murphy, Dennis L. *See* Zahn, T.P.

Murrell, D. *See* Sherwood, A.

Myers, Lin S., & Morokoff, Patricia J. Physiological and subjective sexual arousal in pre- and postmenopausal women and postmenopausal women taking replacement therapy..... 283

Myrtek, Michael, & Spital, Susanne. Psychophysiological response patterns to single, double, and triple stressors..... 663

Myrtek, Michael. *See also* Fahrenberg, J.

Näätänen, Risto. *See* Alho, K. (2)

Naifeh, Karen. *See* Cowings, P.S.

Nash, A.J., & Peralme, L. Evoked potential correlates of orienting to deviant stimuli: The effects of magnitude and direction of stimulus change [Abstract]..... 452

Naylor, H. *See* Halliday, R.

Neita, D.M. *See* Clark, V.R.

Nemeroff, C.B. *See* McCubbin, J.A.

Neville, H.J. *See* Kutas, M.

Nil, Rico. *See* Woodson, P.P.

Noble, E.P. *See* Whipple, S.C.

Noldy-Cullum, N. *See* Saxe, B.

Nordby, H., & Roth, W.T. ERPs to mismatches of pitch and of timing [Abstract]..... 452

Nordby, H. *See also* Hugdahl, K.

Norman, Robert J. *See* Ornitz, E.M.

Obrist, Paul A. *See* Allen, M.T. (2), and Sherwood, A. (3)

O'Donnell, Robert D. *See* Wilson, G.F.

Öhman, Arne. Face the beast and fear the face: Animal and social fears as prototypes for evolutionary analyses of emotion. .... 123

Ornitz, Edward M., Guthrie, Donald, Kaplan, Andrea R., Lane, Shelly J., & Norman, Robert J. Maturation of startle modulation. .... 624

Overmier, J.B. *See* Hugdahl, K.

Paavilainen, Petri. *See* Alho, K. (2)

Packer, J., & Siddle, D. The effects of signal value on short- and long-term habituation [Abstract]. 452

Pahl, M.V. *See* Rosenberg, C.

Passey, R.B. *See* Pincomb, G.A.

Patrick, C.J., & Iacono, W.G. The validity of lie detection with criminal psychopaths [Abstract]. 452

Paul, S.M. *See* Zahn, T.P.

Pennebaker, J.W. When repression fails: Health implications [Abstract]. .... 419

Perälä, L. *See* Nash, A.J.

Peralta, A. *See* Hastrup, J.L.

Phillips, S.M. *See* Hastrup, J.L.

Pickar, D. *See* Zahn, T.P.

Pickering, T.G. *See* Harshfield, G.A.

Pickworth, W.B., Herning, R.I., Hickey, J.E., & Jaffe, J. Spontaneous EEG recordings from adolescents at risk for drug abuse [Abstract]. .... 453

Picton, T.W. *See* Stuss, D.T.

Pigeau, R.A., Helsegrave, R.J., Angus, R.G., & Lambert, P. Objective estimates of drowsiness during sleep deprivation [Abstract]. .... 453

Pincomb, G.A., Lovallo, W.R., Passey, R.B., & Wilson, M.F. Caffeine effects on blood pressure regulation during recovery from psychological challenge [Abstract]. .... 453

Pincomb, Gwendolyn A. *See also* Lovallo, W.R. (2).

Pivik, R.T., Blysm, F.W., & Hastings, P. Influences on cortical slow potentials: Aversive stimuli and the PINV response [Abstract]. .... 454

Pivik, R.T., Blysm, F.W., & Margitai, K. Abnormal motoneuronal excitability in hyperkinetic children. .... 454

Polich, John. P300 development from auditory stimuli. .... 454

Pollik, M.H. On using laboratory task-related heart rate reactivity to index ambulatory heart rate at work and home [Abstract]. .... 454

Pollik, M.H. Relationships between laboratory task-related heart rate reactivity and ambulatory heart rate at work and home [Abstract]. .... 454

Pollock, V.E., Gabrielli, W.F., Mednick, S.A., & Goodwin, D.W. Physiological and psychological measures before and after alcohol administration among men at risk for alcoholism [Abstract]. .... 454

Polonsky, W.H., Knapp, P.H., Brown, E.L., & Schwartz, G.E. Emotional defensiveness and immunologic function [Abstract]. .... 419

Porges, S.W. V: An accurate method of quantifying RSA [Abstract]. .... 414

Porges, Stephen W. *See also* Hatch, J.P., and Stifter, C.A.

Presslich, Otto. *See* Semlitsch, H.V.

Pritchard, Walter S., Brandt, Michael E., & Barratt, Ernest S. Analyzing event-related potentials: The utility of high and low pass filtering in improving the relationship between various amplitude measures and principal components analysis factor scores. .... 166

Pritchard, Walter S. *See also* Shappell, S.A.

Pugh, D. *See* Berg, W.K.

Puig-Antich, J. *See* Goetz, R.R.

Püll, O. *See* Löfller, K.

Putnam, L. *See* Friedman, D.

Putz, C.L. *See* Martzke, J.S.

Ragot, Richard, & Lesevre, Nicole. Electrophysiological study of intrahemispheric S-R compatibility effects elicited by visual directional cues. .... 19

Raskin, D.C. *See* Honts, C.R., and Horowitz, S.W., and Kircher, J.C.

Rawson, J.C., Kotses, H., Wigal, J.K., & Creer, T.L. The impact of suggestion on total respiratory resistance in normal individuals [Abstract]. .... 454

Ray, M. *See* Ditto, B.

Ray, W.J. *See* Inz, J.M., and Stevenson, R.J.

Raz, J. *See* Turetsky, B.

Reddon, J.R. *See* Fedora, O.

Reed, S.D. Relationship among hemispheric preference, visceral self-perception, autonomic arousal, and emotions [Abstract]. .... 455

Reed, S.D., & Katkin, E.S. Family history of cardiovascular disease, Type A behavior pattern, and cardiac reactivity during a signaled reaction time task [Abstract]. .... 455

Reed, S.D. *See also* Katkin, E.S.

Reinikainen, K. *See* Alho, K.

Resnick, S.M. *See* Skolnick, B.E.

Revis, C., Harsh, J., Badia, P., & Kastner, J. Non-specific factors in the control of respiratory responding during sleep [Abstract]. .... 455

Rhodes, D.L. *See* Luck, S.J.

Richards, J.E. Power spectral analysis quantification of respiratory sinus arrhythmia [Abstract]. .... 414

Richards, J.E., & Cameron, D. Infant developmental status and heart rate and heart rate variability [Abstract]. .... 455

Richer, F., & Beatty, J. Pupillary dilations in multiple-choice delayed response tasks [Abstract]. .... 456

Riedel, J.A. *See* Bernstein, A.S. (2).

Robinson, T.N., Jr., & Zahn, T.P. Schizotypal personality and autonomic responsiveness [Abstract]. .... 456

Rockstroh, B. *See* Birbaumer, N., and Bülow, I.v.

Roehrs, Timothy. *See* Lumley, M.

Roelofs, J.W. *See* Verbaten, M.N.

Roger, D. *See* Jamieson, J.L.

Rogers, S. *See* Carroll, D.

Rohrbaugh, J.W., Stapleton, J.M., Frowein, H.W., Eckardt, M.J., & Linnola, M. Effects of alcohol intoxication on skilled movement and brain potentials preceding movement [Abstract]. .... 456

Roman, F., Martinez-Selva, J.M., Garcia-Sanchez, F.A., & Gomez-Amor, J. Sex differences and bilateral electrodermal asymmetry [Abstract].....	457	Schwartz, G.E., Whitehorn, D., Hernon, J.C., & Jones, M. Subjective and respiratory differentiation of fragrances: Interactions with hedonics [Abstract].....	460
Rooyakkers, J.A.J. <i>See</i> Kok, A. (2)		Schwartz, G.E., Whitehorn, D., Hernon, J.C., & Jones, M. The ARC method for averaging repetitive cycles: Application to respiration during stress and relaxation [Abstract].....	460
Rosenberg, C., Pahl, M.V., & Vaziri, N.D. Changes in the P3 component of the event-related potential before and after dialysis [Abstract].....	457	Schwartz, G.E. <i>See also</i> Jamner, L.D., and Polonsky, W.H.	
Rosenthal, N.E. <i>See</i> Duncan, C.C.		Schwartz, G.P. <i>See</i> Calhoun, R.F.	
Roth, Thomas. <i>See</i> Lumley, M.		Scrima, L. <i>See</i> Stedman, D.	
Roth, W.T. <i>See</i> Nordby, H.		Seidman, D. <i>See</i> Bernstein, A.S.	
Rouse, C.H., Jones, G.E., & Jones, K.R. The effects of body composition and gender on cardiac awareness [Abstract].....	457	Semaya, E. <i>See</i> Melamed, B.G.	
Rouse, C.H. <i>See also</i> Jones, G.E.		Semlitsch, Heribert V., Anderer, Peter, Schuster, Peter, & Presslich, Otto. A solution for reliable and valid reduction of ocular artifacts, applied to the P300 ERP.....	695
Russon, A.E., & Lacroix, J.M. A microcomputer-based control system for biofeedback research [Abstract].....	457	Senulis, J. <i>See</i> Cohen, B.H.	
Saab, Patrice G. <i>See</i> Matthews, K.A.		Shapiro, David. <i>See</i> Goldstein, I.B., and Greenstadt, L., and Weipert, D.	
Sabharwal, S.C. <i>See</i> Freedman, R.R.		Shappell, S.A., Pritchard, W.S., Brandt, M.E., & Barratt, E.S. The specificity of N400 to semantic mismatches [Abstract].....	460
Sams, Mikko. <i>See</i> Alho, K. (2).		Sharp, C. <i>See</i> Jutai, J.	
Saron, C.D., & Davidson, R.J. Response hand influences visual evoked potential estimates of interhemispheric transfer time in children [Abstract].....	458	Sherwood, A., Allen, M.T., Hutcheson, J.S., & Obрист, P.A. Ensemble averaging of the impedance cardiogram [Abstract].....	461
Saron, C.D. <i>See also</i> Cohen, B.H.		Sherwood, A., Allen, M.T., Murrell, D., & Obрист, P.A. Cardiovascular adjustments to the anticipation and performance of brief handgrip responses [Abstract].....	461
Saunders, K. <i>See</i> Klions, D.		Sherwood, Andrew, Allen, Michael T., Obрист, Paul A., & Langer, Alan W. Evaluation of beta-adrenergic influences on cardiovascular and metabolic adjustments to physical and psychological stress.....	89
Sausen, K.P., Lovallo, W.R., & Wilson, M.F. The effects of behavior pattern, heart rate reactivity, and family history of hypertension on heart rate and blood pressure responses during challenging cognitive tasks [Abstract].....	458	Sherwood, Andrew. <i>See also</i> Allen, M.T. (2).	
Saxe, B., Stelmack, R.M., & Noldy-Cullum, N. Event-related potentials and recognition memory for words: A comparison of normal and disabled readers [Abstract].....	458	Shimizu, Akira, & Inoue, Tsuyoshi. Dreamed speech and speech muscle activity.....	210
Saxe, L. On detecting deception: Is the question physiological? [Abstract].....	417	Shulhan, Donna, Scher, Hal, & Furedy, John J. Phasic cardiac reactivity to psychological stress as a function of aerobic fitness level.....	562
Schandler, S.L., Cohen, M.J., Allen, R., & Dana, E.R., Jr. Visuospatial learning and activation peaking in non-alcoholics with and without a family history of alcoholism [Abstract].....	458	Siddle, D., & Bond, N. Human second-order conditioning with fear-relevant stimuli [Abstract].....	461
Schandler, S.L. <i>See also</i> Cohen, M.J.		Siddle, David A.T., & Hirschhorn, Tania. Effects of stimulus omission and stimulus novelty on deactivation of the skin conductance response..	309
Schandry, R., Sparre, B., & Weitkunat, R. Brain-electrical correlates of the heartbeat signal [Abstract].....	459	Siddle, D. <i>See also</i> Packer, J.	
Schell, A.M., Dawson, M.E., & Filion, D.L. Psychophysiological correlates of electrodermal lability [Abstract].....	459	Simons, R.F., Balaban, M.T., Macy, M.H., & Graham, F.K. Heart rate, blink, and ERPs to modality-defined targets and novel [Abstract].....	461
Schell, Anne M. <i>See also</i> Filion, D.L., and Dawson, M.E.		Simons, Robert F. <i>See also</i> Cohen, B., and Zelson, M.F.	
Scher, Hal. <i>See</i> Shulhan, D.		Sirevaag, E.J., Kramer, A.F., & Braune, R. A comparison of psychophysiological, subjective, and performance-based metrics of resource demands in a complex, real-world task [Abstract].....	462
Schmied, Lori A. <i>See</i> Lawler, K.A.		Sjouw, M. <i>See</i> Verbaten, M.N.	
Schneider, Hermann-Josef. <i>See</i> Fahrenberg, J.		Skoff, B.F., Fein, D., McNally, B., Lucci, D., Humes-Bartlo, M., & Waterhouse, L. Brainstem auditory evoked potentials in autism [Abstract].....	462
Schneider, Walter. <i>See</i> Kramer, A.			
Schnoebeelen, M. <i>See</i> Cohen, M.J.			
Schooler, Carmi. <i>See</i> Zahn, T.P.			
Schroeder-Jasheway, Lori. <i>See</i> Hatch, J.P.			
Schuster, Peter. <i>See</i> Semlitsch, H.V.			
Schwartz, G.E., & Jamner, L.D. Subjective/respiratory dissociation and the repressive coping style [Abstract].....	459		

Skolnick, B.E., Gur, R.C., Resnick, S.M., & Gur, R.E. Anxiety: Effects on performance and cerebral blood flow [Abstract]..... 462

Skolnick, B.E., Sussman, N., & Gur, R. Selective hemispheric barbituration and electrodermal asymmetry [Abstract]..... 463

Slangen, J.L. *See* Verbaten, M.N.

Small, F.M., & Janisse, M.P. Type A and women: Sex roles, anger expression, and aggression [Abstract]..... 463

Snidman, N., Gibbons, J., Johnson, M., & Kagan, J. Comparison of heart rate, heart rate variability, and pulse transit time response to psychological stress in behaviorally inhibited children [Abstract]..... 463

Somsen, R.J.M. *See* Jennings, J.R., and van der Molen, M.W.

Spalding, T. *See* Hatfield, B.D.

Sparre, B. *See* Schandry, R.

Spital, Susanne. *See* Myrtek, M.

Sroka, Lothar. *See* Gasser, T.

Stabler, B., Surwit, R.S., Lane, J.D., Morris, M.A., & Feinglos, M.N. Glycemic response to stress in children with insulin-dependent diabetes [Abstract]..... 463

Stapleton, J.M. *See* Rohrbaugh, J.W.

Stashower, K. *See* Kobus, D.A.

Stedman, D., & Scrima, L. Low dose of alcohol enhances recall of complex associative information following sleep [Abstract]..... 464

Steele, H. *See* Bernstein, A.S.

Steinhauer, S.R., Hill, S.Y., & Zubin, J. Event-related potential similarity in adult siblings [Abstract]..... 464

Stelmack, R.M. *See* Saxe, B.

Stern, R.M., Koch, K.L., Leibowitz, H.W., Lindblad, I.M., Stewart, W.R., & Vasey, M. Myoelectric activity of the stomach and symptoms of motion sickness [Abstract]..... 464

Stettner, L. *See* Ianni, P.

Stevenson, R.J., & Ray, W.J. Sex differences in EEG during spatial visualization and orientation tasks [Abstract]..... 465

Stewart, W.R. *See* Stern, R.M.

Stifter, C.A., Fox, N.A., & Porges, S.W. Individual differences in newborn reactivity and regulation [Abstract]..... 465

Stonebraker, T.B., Tassinary, L.G., & Cacioppo, J.T. Autonomic and self-report measures of physiological arousal: Fractionation during residual arousal [Abstract]..... 465

Stoney, C.M., & Matthews, K.A. A comparison of cardiovascular responses to laboratory and field stress [Abstract]..... 422

Stoney, C.M., Matthews, K.A., McCann, B.S., Davis, M., & Manuck, S.B. Sex differences in cardiovascular responses to stress in adults [Abstract]..... 412

Stoney, Catherine M., Langer, Alan W., & Gelling, Paul D. The effects of menstrual cycle phase on cardiovascular and pulmonary responses to behavioral and exercise stress..... 393

Strandburg, R.J., Marsh, J.T., Brown, W.S., Asarnow, R.F., & Guthrie, D. Dissociation of N2 and P3 amplitudes with performance accuracy [Abstract]..... 465

Strauss, J. *See* Brumaghim, J.

Strayer, D.L., Coles, M.G.H., Buckley, J., & Donchin, E. Stimulus repetition effects: Evidence for processes in cascade [Abstract]..... 466

Strayer, D.L., & Kramer, A.F. Psychophysiological indices of automaticity and attentional resources [Abstract]..... 466

Stuss, D.T., Picton, T.W., & Cerri, A.M. Searching for the names of pictures: An event-related study..... 215

Sullivan, Michael J.L., & Brender, William. Facial electromyography: A measure of affective processes during sexual arousal..... 182

Supik, Josie D. *See* Hatch, J.P.

Surwit, R.S. *See* McCubbin, J.A., and Stabler, B.

Sussman, N. *See* Skolnick, B.E.

Suter, Steve. *See* Cowings, P.S.

Suter, Thomas. *See* Weipert, D.

Sutterer, James R. *See* Davis, M.R.

Sutton, S. *See* Friedman, D.

Tahmoush, Albert J., & Francis, Mildred E. In vitro studies of the pulsatile radiometric signal..... 348

Takata, J. *See* Turpin, G.

Tassinary, L.G., Geen, T.R., & Cacioppo, J.T. Optimizing surface electrode placements for facial EMG recording: Guidelines for recording from the *corrugator supercilii* and *zygomaticus major* muscle regions [Abstract]..... 466

Tassinary, L.G. *See* Stonebraker, T.B.

Thauberger, P.C. *See* Fedora, O.

Thayer, J.F., & Friedman, B.H. Facial muscle activity and EEG recordings [Abstract]..... 466

Toscano, William B. *See* Cowings, P.S.

Trezza, G.R. *See* Hastrup, J.L.

Turetsky, B., Raz, J., & Fein, G. Two-dimensional filtering of ERP single trials [Abstract]..... 467

Turner, J.R. *See* Carroll, D. (2), and Dean, S.

Turpin, G., Takata, J., & Tutton, C. Palmar sweat index: Effects of cognitive and exertional stressors [Abstract]..... 467

Turpin, Graham. Effects of stimulus intensity on autonomic responding: The problem of differentiating orienting and defense reflexes..... 1

Tursky, B. *See* Jammer, L.D.

Tutton, C. *See* Turpin, G.

Vaccaro, P. *See* Hatfield, B.D.

van den Boogaart, B., Haagh, S.A.V.M., & Bruna, C.H.M. The contingent negative variation as reflection of motor programming [Abstract]..... 467

van Doornen, Lorenz J.P. Sex differences in physiological reactions to real life stress and their relationship to psychological variables..... 657

van der Molen, M.W., Somsen, R.J.M., & Jennings, J.R. An autonomic avenue to preparatory processes [Abstract]..... 416

van der Molen, M.W. *See also* Jennings, J.R.

Van Petten, C. *See* Besson, M.

Van Treuren, R.R., & Hull, J.G. Health and stress: Dispositional optimism and psychophysiological responses [Abstract]..... 467

Vanman, E.J., & Cacioppo, J.T. Facial EMG activity varies as a function of the valence but not the activation dimension of affective reactions: A replication and extension [Abstract]..... 468

Vasey, M. *See* Stern, R.M.

Vaughan, J., & Bell, G. Preattentive target processing inferred from evoked response analysis of speeded Sternberg search [Abstract]..... 468

Vaziri, N.D. *See* Rosenberg, C.

Verbaten, M.N., Roelofs, J.W., Sjouw, M., & Slangen, J.L. Different effects of uncertainty and complexity on single trial visual ERPs and the SCR-OR in non-signal conditions..... 254

Vrana, S.R., Cuthbert, B.N., & Lang, P.J. Physiological correlates of sentence processing: Affective content and processing mode [Abstract]..... 468

Vrana, Scott R., Cuthbert, Bruce N., & Lang, Peter J. Fear imagery and text processing..... 247

Wagner, P.G. *See* Light, K.C.

Waked, E.G., & Jutai, J.W. Baseline and reactivity measures of blood pressure and mood in borderline hypertension [Abstract]..... 468

Walrath, L.C., Backs, R.W., & Hancock, G.A. Eye movement during visual search: Effects of information density, color coding, and search type [Abstract]..... 469

Walrath, L.C. *See also* Backs, R.W.

Walters, P.J. *See* Hudzinski, L.G.

Wang, M.Q., & Landers, D.M. Cardiac response and hemispheric differentiation during archery performance: A psychophysiological investigation of attention [Abstract]..... 469

Wang, M.Q., Martin, P.E., & Landers, D.M. An investigation of the cardiac and somatic responses during a simple reaction time task [Abstract]..... 469

Warrenburg, S. Repressive coping, defensiveness, and denial: Relationships with blood pressure reactivity [Abstract]..... 418

Waterhouse, L. *See* Skoff, B.F.

Weidner, Gerdi. Book Review: *Social psychophysiology: A sourcebook*..... 485

Weipert, Doris, Shapiro, David, & Suter, Thomas. Diastolic blood pressure and heart rate feedback training during orthostatic stress..... 315

Weitkunat, R. *See* Schandry, R.

Whipple, S.C., & Noble, E.P. The effects of familial alcoholism on visual event-related potentials [Abstract]..... 470

Whitehead, Roger. *See* Greenstadt, L.

Whitehorn, D. *See* Schwartz, G.E. (2)

Wickens, C.D. *See* Bosco, C.M.

Wigal, J.K. *See* Rawson, J.C.

Williams, R.B., Jr. *See* Anderson, N.B., and McCubbin, J.A.

Williamson, S., Harpur, T.J., & Hare, R.D. Behavioural and electrocortical responses of psychopaths to emotional words: A test of Cleckley's semantic dementia [Abstract]..... 470

Williamson, S.E. *See also* Harpur, T.J.

Willis, P.W. IV. *See* Light, K.C.

Wilson, G.F., & McCloskey, K. Task related and probe evoked potentials in a linguistic processing task [Abstract]..... 470

Wilson, Glenn F., & O'Donnell, Robert D. Steady state evoked responses: Correlations with human cognition..... 57

Wilson, Michael F. *See* Pincomb, G.A., and Sausen, K.P., and Lovallo, W.R. (2).

Woodson, Phillip P., Buzzi, Roberto, Nil, Rico, & Bättig, Karl. Effects of smoking on vegetative reactivity to noise in women..... 272

Yolton, R.L. *See* Dirks, B.

Young, M. *See* Dirks, B.

Zahn, T.P., Breier, A., Albus, M., Pickar, D., & Paul, S.M. Autonomic, neuroendocrine, and subjective responses in a learned helplessness paradigm [Abstract]..... 470

Zahn, Theodore P., Schooler, Carmi, & Murphy, Dennis L. Autonomic correlates of sensation seeking and monoamine oxidase activity: Using confirmatory factor analysis on psychophysiological data..... 521

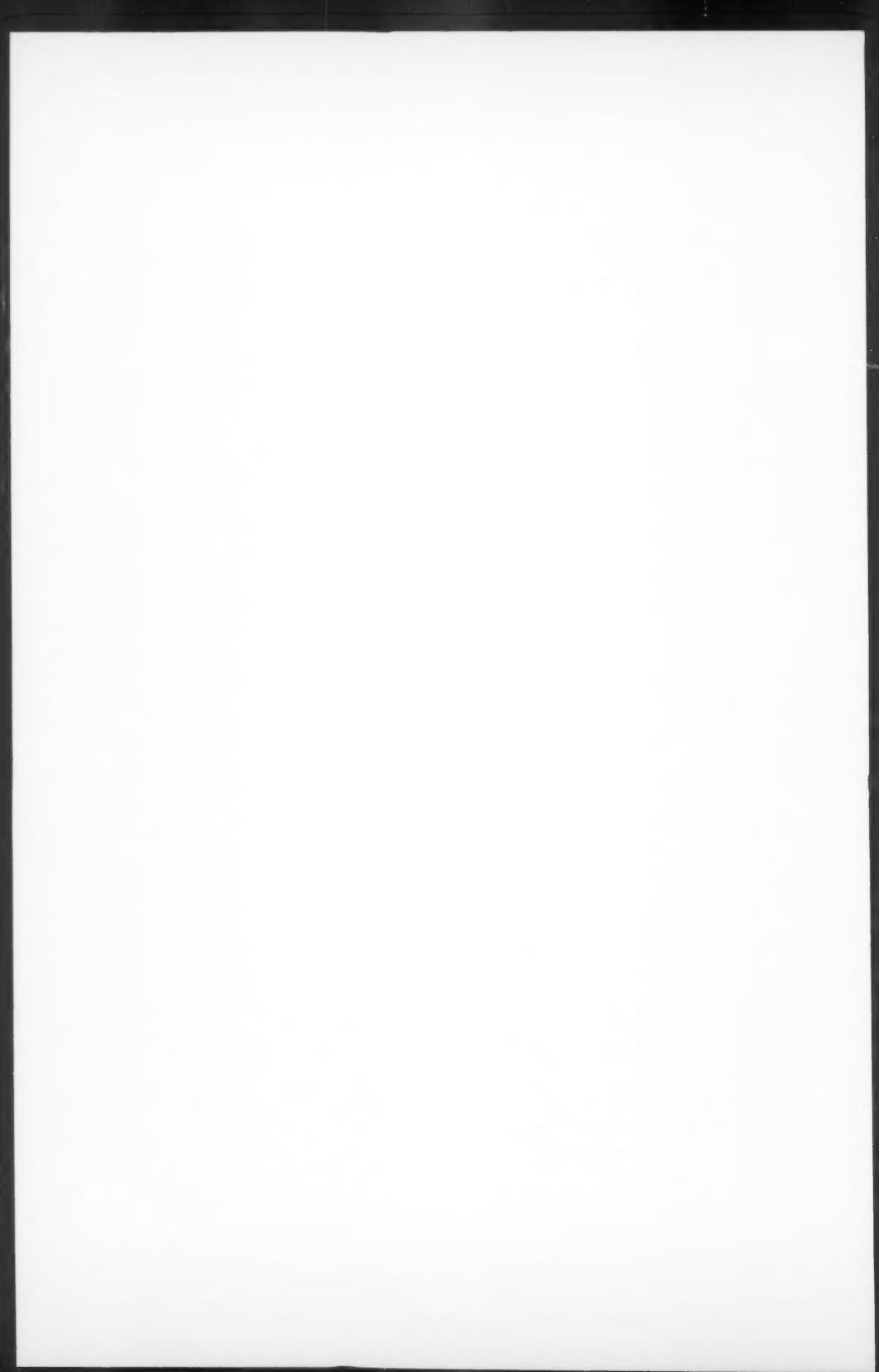
Zahn, T.P. *See also* Robinson, T.N., Jr.

Zelson, Michael F., & Simons, Robert F. Sustained attention in Type A and Type B subjects: A blink reflex analysis..... 385

Zorick, Frank. *See* Lumley, M.

Zubin, J. *See* Steinhauer, S.R.





# PSYCHOPHYSIOLOGY

Volume 23

*January 1986–November 1986*

Published bimonthly by THE SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH  
2380 Lisa Lane, Madison, WI 53711

COPYRIGHT © BY THE SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH, INC.

# Contents of Volume 23

NO. 1, JANUARY 1986

*For Distinguished Early Career Contribution to Psychophysiology: Award Address, 1984*

Effects of Stimulus Intensity on Autonomic Responding: The Problem of Differentiating Orienting and Defense Reflexes. GRAHAM TURPIN.....	1
<i>Invited Editorial</i>	
Duration of Initial Heart Rate Assessment in <i>Psychophysiology</i> : Current Practices and Implications. JANICE L. HASTRUP.....	15
Electrophysiological Study of Intrahemispheric S-R Compatibility Effects Elicited by Visual Directional Cues. RICHARD RAGOT AND NICOLE LESEVRE.....	19
Cardiovascular Responsivity, Type A Behavior, and Parental History of Heart Disease in Young Women. KATHLEEN A. LAWLER AND LORI A. SCHMIED .....	28
The Effects of Practice and Task Structure on Components of the Event-Related Brain Potential. ARTHUR KRAMER, WALTER SCHNEIDER, ARTHUR FISK, AND EMANUEL DONCHIN .....	33
The Relation Between Rhythmic Cardiovascular Variability and Reactivity to Orthostatic, Cognitive, and Cold Pressor Stress. JOHN P. HATCH, KEITH KLATT, STEPHEN W. PORGES, LORI SCHROEDER-JASHEWAY, AND JOSIE D. SUPIK .....	48
Steady State Evoked Responses: Correlations with Human Cognition. GLENN F. WILSON AND ROBERT D. O'DONNELL.....	57
Parental History of Essential Hypertension, Active Coping, and Cardiovascular Reactivity. BLAINE DITTO.....	62
Psychophysiological Responsiveness to Auditory Stimulation during Transcendental Meditation. FREDERICK J. HEIDE.....	71
Relative Discriminability of Heartbeat-Contingent Stimuli Under Three Procedures for Assessing Cardiac Perception. MARK R. DAVIS, ALAN W. LANGER, JAMES R. SUTTERER, PAUL D. GELLING, AND MICHELLE MARLIN .....	76
Napping versus Resting: Effects on Performance and Mood. SUZANNE R. DAISS, AMY D. BERTELSON, AND LUDY T. BENJAMIN, JR. .....	82
Evaluation of Beta-Adrenergic Influences on Cardiovascular and Metabolic Adjustments to Physical and Psychological Stress. ANDREW SHERWOOD, MICHAEL T. ALLEN, PAUL A. OBRIST, AND ALAN W. LANGER .....	89
Heart Rate Reactivity and Type A Behavior as Modifiers of Physiological Response to Active and Passive Coping. WILLIAM R. LOVALLO, GWENDOLYN A. PINCOMB, AND MICHAEL F. WILSON .....	105
Age Differences in Cardiovascular Reactivity Under Active Coping Conditions. GARY G. GINTNER, JAMES G. HOLLANDSWORTH, AND ROBERT C. INTRIERI.....	113
<i>Computer Program Abstracts</i> .....	121
<i>Subscription Blank for PSYCHOPHYSIOLOGY</i> .....	122
<i>Announcements</i> .....	18, 27, 32, 47, 56, 61, 81, 88, 112, 120

NO. 2, MARCH 1986

*Presidential Address, 1985*

Face the Beast and Fear the Face: Animal and Social Fears as Prototypes for Evolutionary Analyses of Emotion. ARNE ÖHMAN.....	123
Abnormal Motoneuronal Excitability in Hyperkinetic Children. R. T. PIVIK, F. W. BYLSMA, AND K. MARGITTAI .....	146
Electroretinograms Reveal No Evidence for Centrifugal Modulation of Retinal Inputs During Selective Attention in Man. G. R. MANGUN, J. C. HANSEN, AND S. A. HILLYARD.....	156

Analyzing Event-Related Potentials: The Utility of High and Low Pass Filtering in Improving the Relationship Between Various Amplitude Measures and Principal Components Analysis Factor Scores. WALTER S. PRITCHARD, MICHAEL E. BRANDT, AND ERNEST S. BARRETT .....	166
Heart Rate and Oxygen Consumption during Active Psychological Challenge: The Effects of Level of Difficulty DOUGLAS CARROLL, J. RICK TURNER, AND JONATHAN C. HELLAWELL.....	174
Facial Electromyography: A Measure of Affective Processes During Sexual Arousal. MICHAEL J.L. SULLIVAN AND WILLIAM BRENDER .....	182
Small Pitch Separation and the Selective-Attention Effect on the ERP. KIMMO ALHO, MIKKO SAMS, PETRI PAAVILAINEN, AND RISTO NÄÄTÄNEN .....	189
Cardiovascular Responses of Adolescents During a Naturally Occurring Stressor and Their Behavioral and Psychophysiological Predictors. KAREN A. MATTHEWS, STEPHEN B. MANUCK, AND PATRICE G. SAAB .....	198
Dreamed Speech and Speech Muscle Activity. AKIRA SHIMIZU AND TSUYOSHI INOUE.....	210
Searching for the Names of Pictures: An Event-Related Study. D. T. STUSS, T. W. PICTON, AND A. M. CERRI .....	215
Effects of a Warning Signal on Reactions to Aversive White Noise Stimulation: Does Warning "Short-Circuit" Habituation? RUEDIGER BALTISSEN AND WOLFRAM BOUCSEIN .....	224
Event-Related Potentials in Chronometric Analysis of Primed Word Recognition with Different Stimulus Onset Asynchronies. JOHN BODDY .....	232
Subscription Blank for <i>PSYCHOPHYSIOLOGY</i> .....	197
Call for Papers, Twenty-Sixth Annual Meeting of the Society for Psychophysiological Research .....	245
Instructions to Authors .....	246
Announcements .....	173, 181, 188, 209, 214

## NO. 3, MAY 1986

Fear Imagery and Text Processing. SCOTT R. VRANA, BRUCE N. CUTHBERT, AND PETER J. LANG .....	247
Different Effects of Uncertainty and Complexity on Single Trial Visual ERPs and the SCR-OR in Non-Signal Conditions. M.N. VERBATEN, J.W. ROELOFS, M. SJOUW, AND J.L. SLANGEN .....	254
Performance and Sleepiness as a Function of Frequency and Placement of Sleep Disruption. MICHAEL H. BONNET .....	263
Effects of Smoking on Vegetative Reactivity to Noise in Women. PHILLIP P. WOODSON, ROBERTO BUZZI, RICO NIL, AND KARL BÄTTIG .....	272
Physiological and Subjective Sexual Arousal in Pre- and Postmenopausal Women and Postmenopausal Women Taking Replacement Therapy. LIN S. MYERS AND PATRICIA J. MOROKOFF .....	283
A Dose-Response Study of Sleep Loss and Spontaneous Sleep Termination. TÖRBJÖRN ÅKERSTEDT AND MATS GILLBERG .....	293
P300 and Recall in an Incidental Memory Paradigm. MONICA FABIANI, DEMETRIOS KARIS, AND EMANUEL DONCHIN .....	298
Effects of Stimulus Omission and Stimulus Novelty on Dishabituation of the Skin Conductance Response. DAVID A.T. SIDDLE AND TANIA HIRSCHHORN.....	309
Diastolic Blood Pressure and Heart Rate Feedback Training During Orthostatic Stress. DORIS WEIPERT, DAVID SHAPIRO, AND THOMAS SUTER .....	315
Predictability of Individual Differences in Activation Processes in a Field Setting Based on Laboratory Measures. JOCHEN FAHRENBERG, FRITZ FOERSTER, HERMANN-JOSEF SCHNEIDER, WOLFGANG MÜLLER, AND MICHAEL MYRTEK.....	323

*Methodology*

REM/NREM Discrimination via Ocular and Limb Movement Monitoring: Correlation with Polygraphic Data and Development of a REM State Algorithm. RITA HELFAND, PERETZ LAVIE, AND J. ALLAN HOBSON .....	334
Proportional Jerk: A New Measure of Motion as Applied to Eye Movements in Sleep and Waking. EUGENE ASERINSKY .....	340
In Vitro Studies of the Pulsatile Radiometric Signal. ALBERT J. TAHOUSH AND MILDRED E. FRANCIS .....	348
The Residual After Correcting Event-Related Potentials for Blink Artifacts. PATRICK BERG .....	354
<i>Book Review</i>	
Varieties of Attention. Reviewed by JAMES E. HOFFMAN .....	365
Subscription Blank for <i>PSYCHOPHYSIOLOGY</i> .....	282
Announcement .....	253, 262, 271, 292, 314, 333, 347, 366

NO. 4, JULY 1986

*For Distinguished Early Career Contribution to Psychophysiology: Award Address, 1985*

A Triarchic Model of P300 Amplitude. RAY JOHNSON, JR. ....	367
Sustained Attention in Type A and Type B Subjects: A Blink Reflex Analysis. MICHAEL F. ZELSON AND ROBERT F. SIMONS .....	385
The Effects of Menstrual Cycle Phase on Cardiovascular and Pulmonary Responses to Behavioral and Exercise Stress. CATHERINE M. STONEY, ALAN W. LANGER, AND PAUL D. GELLING .....	393
The Alerting Effects of Naps in Sleep-Deprived Subjects. MARK LUMLEY, TIMOTHY ROEHRIS, FRANK ZORICK, JAMES LAMPHERE, AND THOMAS ROTH .....	403
Behavioral Control Over Sleeping Respiration in Normals for Ten Consecutive Nights. PIETRO BADIA, JOHN HARSH, AND THOMAS BALKIN .....	409

*Abstracts*

Abstracts of Papers Which Will Be Presented at the Twenty-Sixth Annual Meeting of the Society for Psychophysiological Research .....	412
--	-----

*Methodology*

Circadian Temperature Rhythm Power Spectra: Is Equal Sampling Necessary? TIMOTHY H. MONK AND JEFFREY E. FOKSON .....	472
The Influence of Latency Jitter in Principal Component Analysis of Event-Related Potentials. JOACHIM MÖCKS .....	480

*Book Review*

<i>Social Psychophysiology: A Sourcebook</i> . Reviewed by GERDI WEIDNER .....	485
--	-----

Announcements .....	384, 471, 479, 484, 486
---------------------	-------------------------

Subscription Blank for <i>PSYCHOPHYSIOLOGY</i> .....	487
--	-----

NO. 5, SEPTEMBER 1986

*SPR Award, 1985*

For Distinguished Contributions to Psychophysiology: Paul A. Obrist .....	489
Hemispheric Asymmetry and Human Electrodermal Conditioning: The Dichotic Extinction Paradigm. KENNETH HUGDAHL AND CLAES-GORAN BROBECK .....	491
Blood Pressure Discrimination. LISA GREENSTADT, DAVID SHAPIRO, AND ROGER WHITEHEAD .....	500

Bidirectional Voluntary Heart Rate Control During Static Muscular Exercise: Metabolic and Respiratory Correlates. JENNIFER MOSES, WILLIAM J. CLEMENS, AND JASPER BRENER.....	510
Autonomic Correlates of Sensation Seeking and Monoamine Oxidase Activity: Using Confirmatory Factor Analysis on Psychophysiological Data. THEODORE P. ZAHN, CARMI SCHOOLER, AND DENNIS L. MURPHY .....	521
Interactions of Respiratory and Cardiovascular Adjustments to Behavioral Stressors. MICHAEL T. ALLEN, ANDREW SHERWOOD, AND PAUL A. OBRIST .....	532
General Autonomic Components of Motion Sickness. PATRICIA S. COWINGS, STEVE SUTER, WILLIAM B. TOSCANO, JOE KAMIYA, AND KAREN NAIFEH .....	542
Greater Resistance to Extinction of Electrodermal Responses Conditioned to Potentially Phobic CSs: A Noncognitive Process? MICHAEL E. DAWSON, ANNE M. SCHELL, AND HEATHER TWEDDLE BANIS .....	552
Phasic Cardiac Reactivity to Psychological Stress as a Function of Aerobic Fitness Level. DONNA SHULHAN, HAL SCHER, AND JOHN J. FUREDY .....	562
Guidelines for Human Electromyographic Research. ALAN J. FRIDLUND AND JOHN T. CACIOPPO.....	567
P300 Development from Auditory Stimuli. JOHN POLICH.....	590
<i>Methodology</i>	
EOG-Based Recording and Automatic Detection of Sleep Rapid Eye Movements: A Critical Review, and Some Recommendations. A. M. BOUKADOUML AND P. Y. KTONAS .....	598
<i>Computer Program Abstract</i> .....	612
<i>Subscription Blank for PSYCHOPHYSIOLOGY</i> .....	509
<i>Announcements</i> .....	531, 541, 551, 561

NO. 6, NOVEMBER 1986

Separability of Different Negative Components of the Event-Related Potential Associated with Auditory Stimulus Processing. K. ALHO, P. PAAVILAINEN, K. REINIKAINEN, M. SAMS, AND R. NÄÄTÄNEN .....	613
Maturation of Startle Modulation. EDWARD M. ORNITZ, DONALD GUTHRIE, ANDREA R. KAPLAN, SHELLY J. LANE, AND ROBERT J. NORMAN .....	624
Stimulus Rise Time, Intensity, and Bandwidth Effects on Acoustic Startle Amplitude and Probability. TERRY D. BLUMENTHAL AND W. KEITH BERG .....	635
The Effects of Cognitive Set on the Electrodermal Orienting Response. KAZUMI MICHIIHIRO, TETSUO MURANAKA, AND YO MIYATA .....	642
Predicting Response to a Reaction Time Task: Heart Rate Reactivity Compared with Type A Behavior. WILLIAM R. LOVALLO, GWENDOLYN A. PINCOMB, AND MICHAEL F. WILSON.....	648
Sex Differences in Physiological Reactions to Real Life Stress and Their Relationship to Psychological Variables. LORENZ J.P. VAN DOORNEN .....	657
Psychophysiological Response Patterns to Single, Double, and Triple Stressors. MICHAEL MYRTEK AND SUSANNE SPITAL.....	663
ERPs to Laterally Presented Pictures and Words in a Semantic Categorization Task. A. KOK AND J.A.J. ROOYAKKERS.....	672
Multiple P3s to Emotional Stimuli and Their Theoretical Significance. VICTOR S. JOHNSTON, DAVID R. MILLER, AND MARY H. BURLESON.....	684
<i>Methodology</i>	
A Solution for Reliable and Valid Reduction of Ocular Artifacts, Applied to the P300 ERP. HERIBERT V. SEMLITSCH, PETER ANDERER, PETER SCHUSTER, AND OTTO PRESSLICH.....	695

The Correction of EOG Artifacts by Frequency Dependent and Frequency Independent Methods. THEO GASSER, LOTHAR SROKA, AND JOACHIM MÖCKS.....	704
<i>Letters to the Editor</i> .....	713
<i>Author Index for Volume 23</i> .....	716
<i>Instructions to Authors</i> .....	727
<i>Subscription Blank for PSYCHOPHYSIOLOGY</i> .....	728
<i>Announcements</i> .....	641, 647, 656, 662, 671, 683, 694, 715

